

Technical data sheets

		..2.0 MINI	..2.0	..2.0 VERTICAL	..2.0	..2.0 ELEC	..2.0 VERTICAL	..2.0 MAXI	..2.0 H2O
Model	u.m.	9 HP	10 HP		12 HP			15 HP	15 HP

Cooling performance (A 35 °C; A 27 °C)

Maximum cooling capacity Dual Power	(1)	kW	2,35	2,64	2,60	3,10	3,10	3,11	3,50	3,60 (5)
Nominal cooling power	(1)	kW	1,73	2,09	2,04	2,33	2,35	2,35	2,87	2,66 (5)
Minimum Cooling Capacity	(1)	kW	0,70	0,83	0,81	0,92	0,92	0,92	1,40	1,30 (5)
Dehumidification capacity		L/24h	0,7	0,8	0,8	0,9	0,9	0,9	1,2	1,3
Total input power		kW	0,57	0,64	0,75	0,72	0,73	0,85	1,04	0,73 (5)
EER			3,01	3,29	2,72	3,25	3,25	2,75	2,74	4,32
Energy efficiency class	(2)		A	A+	A	A+	A+	A	A	-

Heating performance (A 7 °C; A 20 °C)

Maximum heat output Dual Power	(3)	kW	2,40	2,64	2,64	3,05	3,05	3,05	3,50	3,84 (6)
Nominal heat power	(3)	kW	1,71	2,08	2,10	2,31	2,31	2,36	2,75	2,80 (6)
Electric heater additional power		kW	-	-	-	-	0,90	-	-	-
Minimum heat output	(3)	kW	0,75	0,71	0,68	0,79	0,79	0,79	1,35	1,40 (6)
Total absorbed power	(3)	kW	0,54	0,63	0,67	0,71	0,71	0,75	0,88	0,72 (6)
COP			3,15	3,31	3,10	3,28	3,28	3,15	3,12	4,31
Energy class			A	A	A	A	A	A	A	-

Electrical data

Total input power		kW	0,90	0,95	0,95	1,06	1,96	1,06	1,45	1,06
Maximum absorbed current		A	3,90	4,10	4,40	4,60	8,50	4,80	6,30	5,60
Tension		V/F/Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

General characteristics

Indoor/outdoor ventilation speed		Nr.	3	3	3	3	3	3	3	3
Air flow at the maximum fan speed internal/external		m³/h	360/430	380/460	380/460	400/480	400/480	400/480	450/550	400
Air flow at the medium fan speed internal/external		m³/h	300/360	310/380	310/380	320/390	320/390	320/390	350/460	320
Air flow at the minimum fan speed internal/external		m³/h	240/320	260/330	260/330	270/340	270/340	270/340	300/400	270
Type of compressor			Rotary - DC Inverter							

Sound data

Nominal sound pressure	(4)	dB(A)	39	39	39	41	41	41	43	41
Pressione sonora minima	(4)	dB(A)	27	26	26	27	27	27	29	27

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Refrigeration connections

Refrigerant			R290	R32	R410a	R32	R32	R410a	R32	R410a
Refrigerant charge			0,14	0,50	0,56	0,50	0,50	0,56	0,50	0,75

Hydraulic data

Water flow		L/h	-	-	-	-	-	-	-	660
Hydraulic connections		" EK	-	-	-	-	-	-	-	3/4

Product dimensions and weight

Total width		mm	810	1010	500	1010	1010	500	1010	1010
Total height		mm	549	549	1398	549	549	1398	549	549
Total depth		mm	165	165	185	165	165	185	165	165
Empty weight		kg	38,0	41,0	57,0	41,0	41,0	57,0	41,0	50,0
Wall hole diameter		mm	162	162	162	162	162	162	202	-
Hole spacing on wall		mm	293	293	293	293	293	293	293	-

Option with FCU combination

Total heat capacity FCU (70 °C)		kW	-	1,9	-	1,9	-	-	-	-
Water flow		L/h	-	364	-	364	-	-	-	-
Water pressure drop		KPa	-	10	-	10	-	-	-	-
Hydraulic connections		" EK	-	3/4	-	3/4	-	-	-	-
Total width		mm	-	1010	-	1010	-	-	-	-
Total height		mm	-	549	-	549	-	-	-	-
Total depth		mm	-	308	-	308	-	-	-	-

- (1) Outdoor air temperature 35°; relative humidity 41%. Ambient air temperature 27°; relative humidity 47%. Performance according to EN 14511
 (2) Energy classification according to Directive 626/2011
 (3) Outdoor air temperature 7 °C; relative humidity 87% / Ambient temperature 20 °C; relative humidity 59% / Performance according to EN 14511
 (4) Sound pressure level on the system side measured in a semi-anechoic chamber at a distance of 2 m
 (5) Water in/out temperature 30/35 °C / Ambient temperature 27 °C; Relative humidity 50% / Performance according to EN 14511
 (6) Water in/out temperature 15/10 °C / Ambient temperature 20 °C; Relative humidity 28% / Performance according to EN 14511

Operating Limits:

Min. cooling temperature T environment 18°C / T external -5 °C
 Max. cooling temperature T environment 32°C / T external 43 °C
 Min. heating temperature T environment 5 °C / T external -10 °C
 Max. heating temperature T environment 25 °C / T external 18 °C

Operating Limits for ..2.0 H2O:

Min. heating source temperature 10°C with min. output temperature 7°C
 Max. source temperature in heating mode 25°C
 Min. source temperature in cooling mode 20°C
 Max. source temperature in cooling mode 40°C

Recommended working range for inlet water temperature: 15±25 °C in heating and 15±35 °C in cooling. Ideal inlet conditions 20 °C heating and 30 °C cooling.